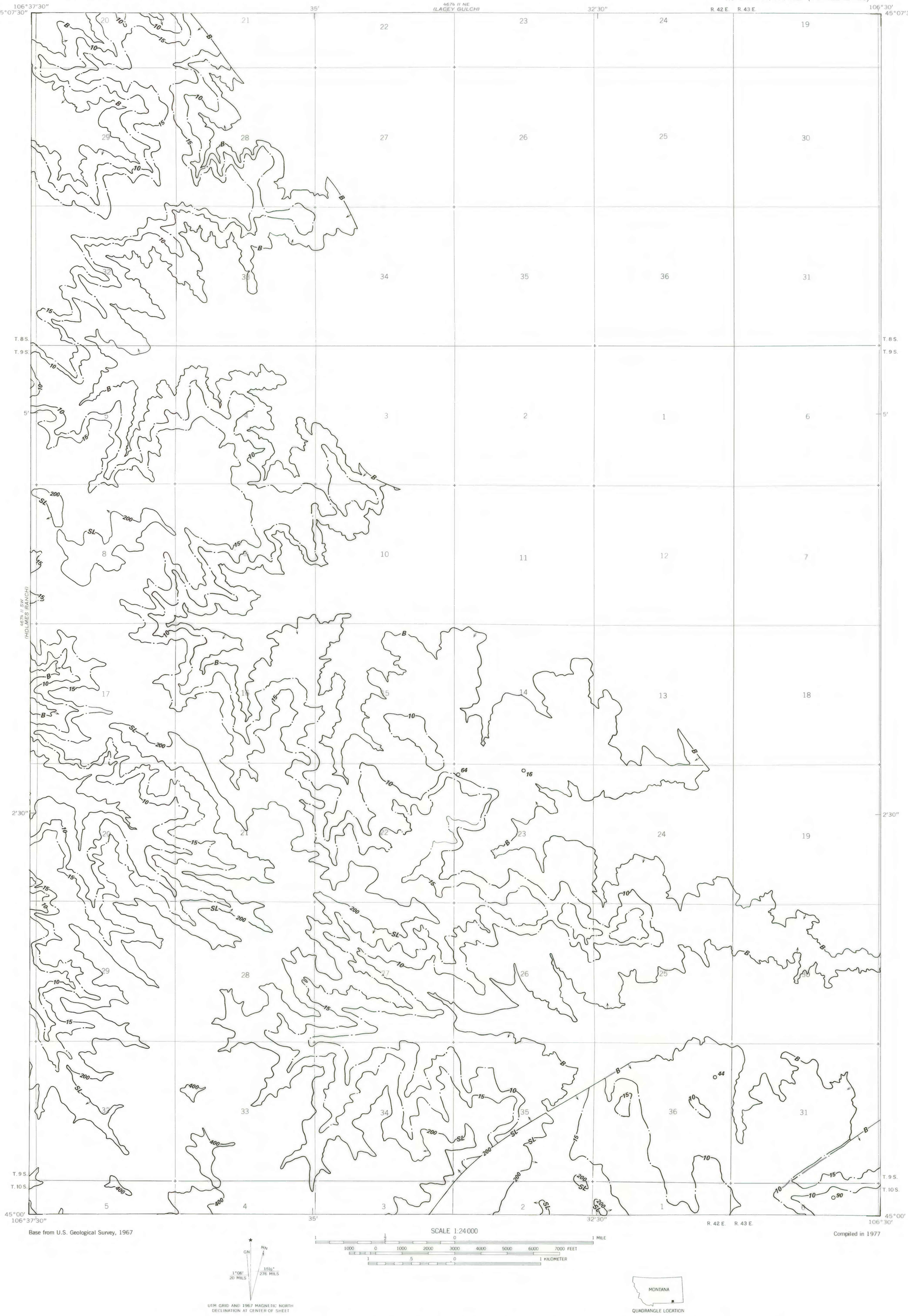
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PINE BUTTE SCHOOL QUADRANGLE
MONTANA—BIG HORN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base from U.S. Geological Survey, 1967

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

GN MN
1°06'
20 MILS
15½°
276 MILS
UTM GRID AND 1967 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

Compiled in 1977

OPEN-FILE REPORT

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

OPEN-FILE REPORT 78–652

PLATE 6 OF 64

EXPLANATION

64

DRILL HOLE--Showing thickness in feet of overburden from surface to top of coal bed.

B

BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of the coal bed, the contact between burned and unburned coal, and the fault boundary of the coal where the coal bed is 5 feet (1.5 m) or more thick; and the 5-foot (1.5 m) coal isopach. Arrows point toward area of Reserve Base coal.

200

OVERBURDEN ISOPACHS--Showing thickness of overburden, in feet, from surface to top of coal bed. Isopach interval 200 feet.

15

MINING-RATIO CONTOUR--Number indicates cubic yards of overburden per short ton of recoverable coal by surface mining methods. Contours shown only within the stripping limit.

SL

STRIPPING LIMIT LINE--Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining.

To convert feet to meters, multiply by 0.3. To convert cubic yards of overburden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE PINE BUTTE SCHOOL QUADRANGLE, BIG HORN COUNTY, MONTANA

By
W. C. CULBERTSON, L. N. ROBINSON AND T. M. GAFFKE

1978

PLATE 6
OVERBURDEN ISOPACH
AND MINING-RATIO MAP
OF THE ROLAND OF BAKER (1929)
COAL BED